

Serial No. 09/987,100
Amdt. dated April 7, 2005
Reply to Office Action of January 14, 2005

Docket No. K-0337

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A short message transmitting method in a communication system comprising:
 - checking a number of characters of an input text message;
 - inserting connection information representing a boundary of the text message and identification information for informing that the text message is divided whenever the checked number of characters exceeds a predetermined number;
 - dividing the input text message according to the inserted connection information; and
 - transmitting the divided text messages,

wherein for a first divided text message among the divided text messages, the connection information is inserted into only ~~an end a last~~ portion of the first divided text message.

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2. (Previously Presented) The method as claimed in claim 1, wherein the connection information comprises first connection information for informing there is a respective divided text message connected to a rear of the connection information, and second connection information for informing there is the respective divided text message connected to a front of the connection information.

3. (Previously Presented) The method as claimed in claim 1, wherein the identification information includes information representing a division order of the input text message.

4. (Currently Amended) The method as claimed in claim 2, wherein the first connection information is inserted into a start portion of the respective divided text message, and the second connection information is inserted into ~~an end a last~~ portion of the respective divided text message.

5. (Canceled).

6. (Currently Amended) A short message transmitting method in a communication system comprising:

checking a number of characters of an input text message;
inserting connection information representing a boundary of the text message
and identification information for informing that the text message is divided whenever the
checked number of characters exceeds a predetermined number;
dividing the input text message according to the inserted connection
information; and
transmitting divided text messages,
wherein ~~for only~~ a last divided text message among the divided text
messages[[,]] ~~has~~ the connection information is inserted into only a start portion of the last
divided text message.

7. (Original) The method as claimed in claim 1, wherein the divided text
messages are transmitted through a paging channel.
8. (Previously Presented) The method as claimed in claim 1, wherein transmitting
the divided text messages comprises:
 checking a divided order of respective divided text messages; and
 successively transmitting the respective divided text messages according to the
checked divided order.

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9. (Previously Presented) The method as claimed in claim 8, wherein information on the division order of the respective divided text messages is obtained by checking the inserted identification information.

10. (Previously Presented) The method as claimed in claim 1, further comprising:
after transmitting the divided text messages, checking whether respective divided text messages are normally transmitted; and
if it is checked that there is any text message not normally transmitted, re-transmitting the respective text message.

11. (Currently Amended) A short message receiving method in a communication system comprising:
receiving text messages transmitted through a radio channel;
checking whether the received text messages are divided text messages by analyzing identification and connection information of the received text messages;
if it is checked that the received text messages are divided text messages,
storing the received text messages in a memory; and
displaying the text messages stored in the memory,
wherein no connection information at a start of a respective divided text

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message indicates the respective divided text message is a first divided text message and/or no connection information at an end a last portion of the respective divided text message indicates the respective text message is a last divided text message.

12. (Previously Presented) The method as claimed in claim 11, wherein displaying the text messages comprises:

checking the identification information of the respective stored text messages; and

successively displaying respective stored text messages according to division order information of the respective stored text messages included in the identification information.

13. (Currently Amended) A short message transmitting/receiving method in a communication system comprising:

a transmitting end producing a message to be transmitted;
a receiving end inserting identification information representing that the message is divided and inserting connection information representing a boundary of the divided message, when the message to be transmitted exceeds a predetermined length;

segmenting the message according to the inserted connection and identification information; numbering and transmitting the divided messages to the transmitting end; and the receiving end assembling the transmitted divided messages into a message according to the connection and identification information of the unit messages and displaying the assembled message,

wherein a respective divided message that does not include inserted connection information in a ~~start first position and an end position~~ of the respective divided message is a first or last divided message ~~and a respective divided message that does not include inserted connection information in a last position of the respective divided message is a last divided message.~~

14. (Previously Presented) The method as claimed in claim 13, wherein assembling the message comprises:

temporarily storing the transmitted unit messages;
assembling the unit messages according to a numbering order of the stored unit messages and the connection information; and
displaying the assembled message.

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15. (Previously Presented) The method as claimed in claim 13, wherein the divided messages are transmitted through a paging channel.

16. (Canceled).

17. (Currently Amended) The method as claimed in claim 13, wherein connection information inserted into only the ~~end~~last position of the divided message indicates the divided message is a-the first divided message.

18. (Currently Amended) The method as claimed in claim 13, wherein connection information inserted into only the start position of the divided message indicates the divided message is a-the last divided message.

19. (Currently Amended) A short message communication method comprising:
segmenting a message that is longer than a predetermined length into a plurality of divided messages; and
inserting an end connection code at ~~an end-a last position~~ of a respective divided message to indicate an end of the respective divided message and that another divided message follows the respective divided message.

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20. (Currently Amended) The method as claimed in claim 19, further comprising:
inserting a start connection code at a start-first position of a respective divided message only for a last divided message.
21. (Currently Amended) The method as claimed in claim 19, further comprising:
inserting a start connection code at a start-first position of a respective divided message only for divided messages that occur after a first divided message.
22. (Previously Presented) The method as claimed in claim 19, wherein inserting the end connection code inserts an end connection code only for a first divided message.